Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12	("p802.15")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 07:45
L2	1	("802.15") and ((user and device) near5 (profile database) near5 (server gateway))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 07:52
L3	2582	((user) near5 (profile database) near5 (server gateway)) and (device) near5 (profile database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 07:52
L4	1278	((user) near5 (profile database) near5 (server gateway)) and ((device) near5 (profile database)near5 (server gateway))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 07:53
L5	907	((user) near5 (profile database) near5 (server gateway)) and ((device) near5 (profile database)near5 (server gateway)) and (PDA Cellular Cell phone)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 07:58
L6	1701	(PDA Cellular Cell phone) near5 (router)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 07:59
L7	10	(smart) near5 (PDA Cellular Cell phone) near5 (router)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:06
L8	4685	(smart) near5 (PDA Cellular Cell phone)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 08:03
L9	580	(smart) near5 (PDA Cellular Cell phone) and (bluetooth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:00
L10	6	("20020022453" | "20020080970" | "6289218" | "6405027" | "6484027" | "6493550").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 09:12
L11	5	("5485520" | "5506837" | "6069588" | "6255800" | "6263503").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 09:15
L12	100	(smart) near5 (PDA Cellular Cell phone) and (bluetooth) and ((user device) near5 (profile database) near5 (server gateway computer stub))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 09:45
L13	252	(smart) near5 (PDA Cellular Cell phone) and (bluetooth) and ((user device) near5 (profile database))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 09:45
L14	0	(smart) adj5 (PDA Cellular Cell phone) adj3 (router) and (bluetooth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:01

L15	63	(PDA Cellular Cell phone) adj3 (router) and (bluetooth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:01
L16	1	(personal) near3 (wireless) near3 (router) and (smart) near5 (phone)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:07
L17	10	(personal) near3 (wireless) near3 (router)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:24
L18	15	(mobile) near3 (router) and (piconet scatternet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:26
L19	10	("20010003191" | "20010018336" | "20010022780" | "20020031108" | "20020036991" | "5412720" | "6282577" | "6466556" | "6522629" | "6535498").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 10:25
L20	1199	(mobile) near3 (router)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:26
L22	123	(mobile) near3 (router) and (bluetooth HomeRf)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:41
L23	24	((Wireless adj3 Personal adj3 Area adj3 Network) (WPAN)) and (collect$5 send$5 transfer$5) near3 (profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:51
L24	15147	(SWAP)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:50
L25	15160	((SWAP) (shared adj wireless adj access adj protocol))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:50
L26	4	l25 and ((Wireless adj3 Personal adj3 Area adj3 Network) (WPAN)) and (collect$5 send$5 transfer$5) near3 (profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 10:54
L27	108	l25 and (collect$5 send$5 transfer$5) near3 (profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 11:05
L28	372	((WiSE) (wise adj support adj environment))and (collect$5 send$5 transfer$5) near3 (profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 11:08
L29	20	((WiSE) (wise adj support adj environment))and (bluetooth) and (collect$5 send$5 transfer$5) near3 (profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 11:09

L30	296	((WiSE) (wise adj support adj environment))and (bluetooth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 11:10
L31	0	((wise adj support adj environment))and (bluetooth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 11:33
L32	0	(WiSE adj platform)and (bluetooth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 11:33
L33	7	(WiSE adj platform)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 11:33
L34	0	((wise adj support adj environment))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 11:33
S1	439	(remot$5 mobil$5) near10 (access$5 obtain$5) near10 (personal user) near10 (profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:41
S2	60	S1 and (bluetooth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 11:37
S3	468	(bluetooth) and ((back additional different second simultaneous) adj (channel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 11:45
S4	3	S3 and ((remot$5 mobil$5) near10 (access$5 obtain$5) near10 (personal user) near10 (profile))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 16:50
S5	76	(bluetooth) and ((back) adj (channel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 16:29
S6	110	"455"/$.ccls. and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:21
S7	13	S6 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:19
S8	93	"370"/$.ccls. and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:34

S9	39	"709"/$.ccls. and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:37
S10	9	"704"/$.ccls. and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:38
S11	50	"725"/$.ccls. and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:38
S12	97	"455"/$.ccls. and (remot$5 mobil$5) near10 (access$5 obtain$5) near10 (personal user) near10 (profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:42
S13	27	"455"/$.ccls. and (remot$5 mobil$5) near10 (access$5 obtain$5) near10 (personal user) near10 (profile) and bluetooth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:45
S14	3	"370"/$.ccls. and (remot$5 mobil$5) near10 (access$5 obtain$5) near10 (personal user) near10 (profile) and bluetooth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:46
S15	10	"709"/$.ccls. and (remot$5 mobil$5) near10 (access$5 obtain$5) near10 (personal user) near10 (profile) and bluetooth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:47
S16	1	"704"/$.ccls. and (remot$5 mobil$5) near10 (access$5 obtain$5) near10 (personal user) near10 (profile) and bluetooth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:47
S17	0	"725"/$.ccls. and (remot$5 mobil$5) near10 (access$5 obtain$5) near10 (personal user) near10 (profile) and bluetooth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 12:47
S18	2	"5887062".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 16:27
S19	2	"6195548".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/08 16:50
S20	2	"6208335".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/08 16:51
S21	2	"6418324".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/08 16:51

S22	2	"6529706".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/08 16:52
S23	2	"6665303".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/08 16:52
S24	2	"6738981".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 08:31
S25	1	(08/996524) and dennis	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 10:34
S26	2	"6421733".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 16:35
S27	1	(08/996524) and (dennis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 15:36
S28	2	"6463462".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 16:27
S29	3689	(bluetooth) and ((user device) near5 (profile database))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 16:30
S30	942	(bluetooth) and ((user device) near5 (profile database) near5 (server gateway))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 16:30
S31	192	(bluetooth) and ((user and device) near5 (profile database) near5 (server gateway))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 07:51
S32	2	"6690918".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 16:35
S33	6	("20020022453" | "20020080970" | "6289218" | "6405027" | "6484027" | "6493550").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/27 16:35
S34	36	S30 and ((remot$5 mobil$5) near10 (access$5 obtain$5) near10 (personal user) near10 (profile))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 16:55
S35	51	S30 and (piconet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 07:45

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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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1 Wireless personal area networks: an overview of the IEEE P802.15 working group
Richard C. Braley, Ian C. Gifford, Robert F. Heile
January 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 1
Full text available: pdf(1.04 MB) Additional Information: full citation, index terms

2 Developing a context-aware electronic tourist guide: some issues and experiences
Keith Cheverst, Nigel Davies, Keith Mitchell, Adrian Friday, Christos Efstratiou
April 2000 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Full text available: pdf(1.09 MB) Additional Information: full citation, abstract, references, citings, index terms

In this paper, we describe our experiences of developing and evaluating GUIDE, an intelligent electronic tourist guide. The GUIDE system has been built to overcome many of the limitations of the traditional information and navigation tools available to city visitors. For example, group-based tours are inherently inflexible with fixed starting times and fixed durations and (like most guidebooks) are constrained by the need to satisfy the interests of the majority rather than the specific inter ...

Keywords: adaptive hypermedia, context-awareness, evaluation, mobile computing, user interface design

3 Papers: Wireless data communications using DECT air interface
António Muchaxo, Alexandre Sousa, Nuno Pereira, Helena Sarmento
April 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 2
Full text available: pdf(1.25 MB) Additional Information: full citation, abstract, references, citings

DECT is an approved ETSI standard for cordless communications, defined as a general radio access technology that can be used as the air interface to any network. In addition to the well-established voice service, it supports data communications. DECT currently addresses low bit rates, but additional modulation options have recently been included for high-speed, up to 2Mbps. In this paper, we describe the hardware and software design of an entire wireless communications system to be used in SOHO ...

4 Windows NT software design and implementation for a wireless LAN base station
Marko Hännikäinen, Timo Vanhatupa, Jussi Lemiläinen, Timo Hämäläinen, Jouka Saarinen
August 1999 **Proceedings of the 2nd ACM international workshop on Wireless mobile multimedia**
Full text available: pdf(1.20 MB) Additional Information: full citation, references, index terms

Keywords: Windows NT, demostrator platform, wireless LAN

5 CyPhone—bringing augmented reality to next generation mobile phones
Tino Pyssysalo, Tapio Repo, Tuukka Turunen, Teemu Lankila, Juha Röning
April 2000 **Proceedings of DARE 2000 on Designing augmented reality environments**
Full text available: pdf(6.46 MB) Additional Information: full citation, abstract, references, index terms

We describe a prototype implementation of a future mobile phone called CyPhone. In addition to voice calls, it has been designed to support context-specific and multi-user multimedia services in an augmented reality manner. Context-awareness has been implemented with GPS-based navigation techniques and a registration algorithm, capable of detecting a predefined 3-D model or a landmark in the environment. A new adaptive transport protocol has been developed to support real-time packet-switched ...

Keywords: mobile communication, navigation, networked virtual reality, real-time data transport protocols, registration

6 Next century challenges: data-centric networking for invisible computing: the Portolano project at the University of Washington
Mike Esler, Jeffrey Hightower, Tom Anderson, Gaetano Borriello
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available: pdf(1.03 MB) Additional Information: full citation, references, citings, index terms

7 Some social implications of ubiquitous wireless networks
Marc A. Smith
April 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 2
Full text available: pdf(1.41 MB) Additional Information: full citation, abstract, citings, index terms

Wireless computer networks and the devices to communicate with them are about to become ubiquitous. A profusion of devices is likely to emerge quickly in specialized form factors, from handhelds to cheap, disposable sensors. Groups of people using these tools will gain new forms of social power, ways to organize and coordinate their interactions and exchanges just in time and just in place. Using these tools, people will be able to collectively construct a range of resources that were too diffic ...

8 Embedded computation meets the World Wide Web
Gaetano Borriello, Roy Want
May 2000 **Communications of the ACM**, Volume 43 Issue 5
Full text available: pdf(456.09 KB) html(41.58 KB) Additional Information: full citation, references, citings, index terms

9 Report on the WINLAB/Berkeley FOCUS'99 on "Radio Networks for Everything"
Chris Rose, Andy Ogielski, Gary Kelson
July 1999 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 3 Issue 3
Full text available: pdf(287.62 KB) Additional Information: full citation, index terms

10 Synchronizing clipboards of multiple computers
Robert C. Miller, Brad A. Myers
November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**
Full text available: pdf(24.18 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes a new technique for transferring data between computers, the synchronized clipboard. Multiple computers can share a synchronized clipboard for all clipboard operations, so that data copied to the clipboard from one computer, using the standard Copy command, can be pasted directly on another computer using the standard Paste command. Synchronized clipboards are well-suited for a single user moving data among several computers in close proximity. We descr ...

Keywords: Java, Pebbles, data transfer, distributed systems, drag-and-drop, file transfer, network clipboard, pick-and-drop, synchronized clipboard, ubiquitous computing

11 Past, present, and future of user interface software tools
Brad Myers, Scott E. Hudson, Randy Pausch
March 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 1
Full text available: pdf(151.14 KB) Additional Information: full citation, abstract, references, citings, index terms, review

A user interface software tool helps developers design and implement the user interface. Research on past tools has had enormous impact on today's developers—virtually all applications today are built using some form of user interface tool. In this article, we consider cases of both success and failure in past user interface tools. From these cases we extract a set of themes which can serve as lessons for future work. Using these themes, past tools can be characterized by what aspects ...

Keywords: event languages, interface builders, scripting languages, toolkits, user interface development environments, user interface software

12 BlueSky: a cordless networking solution for palmtop computers
Pravin Bhagwat, Ibrahim Korpeoglu, Chatschik Bisdikian, Mahmoud Naghshineh, Satish K. Tripathi
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available: pdf(1.31 MB) Additional Information: full citation, references, index terms

13 A report on the IEEE 802 plenary meeting Kauai, HI, USA
Victor Bahl
January 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 1
Full text available: pdf(842.71 KB) Additional Information: full citation, index terms

14 Query localization techniques for on-demand routing protocols in ad hoc networks
Robert Castañeda, Samir R. Das
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available: pdf(1.03 MB) Additional Information: full citation, references, citings, index terms

15 Using code mobility to create ubiquitous and active augmented reality in mobile computing
Kari Kangas, Juha Röning
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available: pdf(1.35 MB) Additional Information: full citation, references, citings, index terms

Keywords: augmented reality, mobile code, mobile computing, ubiquitous computing

16 Design: Designing mobile phones and communicators for consumer needs at Nokia
Kaisa Väänänen-Vainio-Mattila, Satu Ruuska
September 1999 **interactions**, Volume 6 Issue 5
Full text available: pdf(226.03 KB) html(13.69 KB) Additional Information: full citation, citings, index terms

17 A view from the SIGCPR conference: what have we learned in this decade?
Fred Niederman, Jo Ellen Moore, Susan E. Yager
October 1999 **ACM SIGCPR Computer Personnel**, Volume 20 Issue 4
Full text available: pdf(1.61 MB) Additional Information: full citation, abstract, references

Previous research on computer personnel, or the "people part" of the computer technology equation, has stimulated understanding of the interaction between people and technology. This paper presents the results of quantitative and qualitative analysis of proceedings from the 1991 through 1999 annual conference of the Association for Computing Machinery's Special Interest Group on Computer Personnel Research. The study develops a framework defining the domain of management information systems pers ...

Keywords: computer personnel, framework, research methods

18 A priority scheme for the IEEE 802.14 MAC protocol for hybrid fiber-coax networks
Mark D. Corner, Jörg Liebeherr, Nada Golmie, Chatschik Bisdikian, David H. Su
April 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 2
Full text available: pdf(300.06 KB) Additional Information: full citation, references, citings, index terms

Keywords: local area networks, quality-of-service

19

Using structural characteristics for autonomous operation
Carlos Baquero, Francisco Moura
October 1999 **ACM SIGOPS Operating Systems Review**, Volume 33 Issue 4

Full text available: pdf(636.87 KB) Additional Information: full citation, abstract, index terms

The majority of current mobile computing systems operate either in conjunction with a central network by some form of weak connectivity or tend to operate in total isolation and perform sporadic synchronization with a backup or a central network. These configurations miss an additional and very useful pattern of operation --- mobile to mobile interaction. Recent mobile devices have the capacity for direct communication among them, but this option is essentially neglected by the application softw ...

Keywords: conflict resolution, mobile computing, replication

20 Technology survey: future perfect
Stephan Somogyi
November 1999 **interactions**, Volume 6 Issue 6

Full text available: pdf(545.39 KB) html(12.83 KB) Additional Information: full citation, index terms

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Richard C. Braley, Ian C. Gifford, Robert F. Heile
January 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 1
Full text available: pdf(1.04 MB) Additional Information: full citation, index terms

2 Developing a context-aware electronic tourist guide: some issues and experiences
Keith Cheverst, Nigel Davies, Keith Mitchell, Adrian Friday, Christos Efstratiou
April 2000 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Full text available: pdf(1.09 MB) Additional Information: full citation, abstract, references, citings, index terms

In this paper, we describe our experiences of developing and evaluating GUIDE, an intelligent electronic tourist guide. The GUIDE system has been built to overcome many of the limitations of the traditional information and navigation tools available to city visitors. For example, group-based tours are inherently inflexible with fixed starting times and fixed durations and (like most guidebooks) are constrained by the need to satisfy the interests of the majority rather than the specific inter ...

Keywords: adaptive hypermedia, context-awareness, evaluation, mobile computing, user interface design

3 Papers: Wireless data communications using DECT air interface
António Muchaxo, Alexandre Sousa, Nuno Pereira, Helena Sarmento
April 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 2
Full text available: pdf(1.25 MB) Additional Information: full citation, abstract, references, citings

DECT is an approved ETSI standard for cordless communications, defined as a general radio access technology that can be used as the air interface to any network. In addition to the well-established voice service, it supports data communications. DECT currently addresses low bit rates, but additional modulation options have recently been included for high-speed, up to 2Mbps. In this paper, we describe the hardware and software design of an entire wireless communications system to be used in SOHO ...

4 Windows NT software design and implementation for a wireless LAN base station
Marko Hännikäinen, Timo Vanhatupa, Jussi Lemiläinen, Timo Hämäläinen, Jouka Saarinen
August 1999 **Proceedings of the 2nd ACM international workshop on Wireless mobile multimedia**
Full text available: pdf(1.20 MB) Additional Information: full citation, references, index terms

Keywords: Windows NT, demostrator platform, wireless LAN

5 CyPhone—bringing augmented reality to next generation mobile phones
Tino Pyssysalo, Tapio Repo, Tuukka Turunen, Teemu Lankila, Juha Röning
April 2000 **Proceedings of DARE 2000 on Designing augmented reality environments**
Full text available: pdf(6.46 MB) Additional Information: full citation, abstract, references, index terms

We describe a prototype implementation of a future mobile phone called CyPhone. In addition to voice calls, it has been designed to support context-specific and multi-user multimedia services in an augmented reality manner. Context-awareness has been implemented with GPS-based navigation techniques and a registration algorithm, capable of detecting a predefined 3-D model or a landmark in the environment. A new adaptive transport protocol has been developed to support real-time packet-switched ...

Keywords: mobile communication, navigation, networked virtual reality, real-time data transport protocols, registration

6 Next century challenges: data-centric networking for invisible computing: the Portolano project at the University of Washington
Mike Esler, Jeffrey Hightower, Tom Anderson, Gaetano Borriello
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available: pdf(1.03 MB) Additional Information: full citation, references, citings, index terms

7 Some social implications of ubiquitous wireless networks
Marc A. Smith
April 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 2
Full text available: pdf(1.41 MB) Additional Information: full citation, abstract, citings, index terms

Wireless computer networks and the devices to communicate with them are about to become ubiquitous. A profusion of devices is likely to emerge quickly in specialized form factors, from handhelds to cheap, disposable sensors. Groups of people using these tools will gain new forms of social power, ways to organize and coordinate their interactions and exchanges just in time and just in place. Using these tools, people will be able to collectively construct a range of resources that were too diffic ...

8 Embedded computation meets the World Wide Web
Gaetano Borriello, Roy Want
May 2000 **Communications of the ACM**, Volume 43 Issue 5
Full text available: pdf(456.09 KB) html(41.58 KB) Additional Information: full citation, references, citings, index terms

9 Report on the WINLAB/Berkeley FOCUS'99 on "Radio Networks for Everything"
Chris Rose, Andy Ogielski, Gary Kelson
July 1999 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 3 Issue 3
Full text available: pdf(287.62 KB) Additional Information: full citation, index terms

10 Synchronizing clipboards of multiple computers
Robert C. Miller, Brad A. Myers
November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**
Full text available: pdf(24.18 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes a new technique for transferring data between computers, the synchronized clipboard. Multiple computers can share a synchronized clipboard for all clipboard operations, so that data copied to the clipboard from one computer, using the standard Copy command, can be pasted directly on another computer using the standard Paste command. Synchronized clipboards are well-suited for a single user moving data among several computers in close proximity. We descr ...

Keywords: Java, Pebbles, data transfer, distributed systems, drag-and-drop, file transfer, network clipboard, pick-and-drop, synchronized clipboard, ubiquitous computing

11 Past, present, and future of user interface software tools
Brad Myers, Scott E. Hudson, Randy Pausch
March 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 1
Full text available: pdf(151.14 KB) Additional Information: full citation, abstract, references, citings, index terms, review

A user interface software tool helps developers design and implement the user interface. Research on past tools has had enormous impact on today's developers—virtually all applications today are built using some form of user interface tool. In this article, we consider cases of both success and failure in past user interface tools. From these cases we extract a set of themes which can serve as lessons for future work. Using these themes, past tools can be characterized by what aspects ...

Keywords: event languages, interface builders, scripting languages, toolkits, user interface development environments, user interface software

12 BlueSky: a cordless networking solution for palmtop computers
Pravin Bhagwat, Ibrahim Korpeoglu, Chatschik Bisdikian, Mahmoud Naghshineh, Satish K. Tripathi
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available: pdf(1.31 MB) Additional Information: full citation, references, index terms

13 A report on the IEEE 802 plenary meeting Kauai, HI, USA
Victor Bahl
January 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 1
Full text available: pdf(842.71 KB) Additional Information: full citation, index terms

14 Query localization techniques for on-demand routing protocols in ad hoc networks
Robert Castañeda, Samir R. Das
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available: pdf(1.03 MB) Additional Information: full citation, references, citings, index terms

15 Using code mobility to create ubiquitous and active augmented reality in mobile computing
Kari Kangas, Juha Röning
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available: pdf(1.35 MB) Additional Information: full citation, references, citings, index terms

Keywords: augmented reality, mobile code, mobile computing, ubiquitous computing

16 Design: Designing mobile phones and communicators for consumer needs at Nokia
Kaisa Väänänen-Vainio-Mattila, Satu Ruuska
September 1999 **interactions**, Volume 6 Issue 5
Full text available: pdf(228.03 KB) html(13.69 KB) Additional Information: full citation, citings, index terms

17 A view from the SIGCPR conference: what have we learned in this decade?
Fred Niederman, Jo Ellen Moore, Susan E. Yager
October 1999 **ACM SIGCPR Computer Personnel**, Volume 20 Issue 4
Full text available: pdf(1.61 MB) Additional Information: full citation, abstract, references

Previous research on computer personnel, or the "people part" of the computer technology equation, has stimulated understanding of the interaction between people and technology. This paper presents the results of quantitative and qualitative analysis of proceedings from the 1991 through 1999 annual conference of the Association for Computing Machinery's Special Interest Group on Computer Personnel Research. The study develops a framework defining the domain of management information systems pers ...

Keywords: computer personnel, framework, research methods

18 A priority scheme for the IEEE 802.14 MAC protocol for hybrid fiber-coax networks
Mark D. Corner, Jörg Liebeherr, Nada Golmie, Chatschik Bisdikian, David H. Su
April 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 2
Full text available: pdf(300.06 KB) Additional Information: full citation, references, citings, index terms

Keywords: local area networks, quality-of-service

19

Using structural characteristics for autonomous operation
Carlos Baquero, Francisco Moura
October 1999 **ACM SIGOPS Operating Systems Review**, Volume 33 Issue 4

Full text available: pdf(636.87 KB) Additional Information: full citation, abstract, index terms

The majority of current mobile computing systems operate either in conjunction with a central network by some form of weak connectivity or tend to operate in total isolation and perform sporadic synchronization with a backup or a central network. These configurations miss an additional and very useful pattern of operation --- mobile to mobile interaction. Recent mobile devices have the capacity for direct communication among them, but this option is essentially neglected by the application softw ...

Keywords: conflict resolution, mobile computing, replication

20 Technology survey: future perfect
Stephan Somogyi
November 1999 **interactions**, Volume 6 Issue 6

Full text available: pdf(545.39 KB) html(12.83 KB) Additional Information: full citation, index terms

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